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Hashikawa

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[54] **ELECTRICALLY CONDUCTIVE
TRANSPARENT MATERIAL AND DISPLAY
DEVICE USING THE ELECTRICALLY
CONDUCTIVE TRANSPARENT MATERIAL**

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[30] Foreign Application Priority Data

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428/295; 340/766; 340/756**

[58] Field of Search **340/784, 705, 781, 752,
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295; 156/171, 291**

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[57] ABSTRACT

This invention relates to an electrically conductive transparent material that is suitable for use as a feeding device and to a display device using the electrically conductive transparent material. The electrically conductive transparent material comprises a substrate unit made of an electrically insulating transparent material, and an electrically conductive transparent unit buried in the substrate unit. The electrically conductive transparent unit is provided in the form of a plurality of layers at fixed intervals within the substrate unit. Another electrically conductive transparent material comprises a substrate unit made of an electrically insulating transparent material, and an electrically conductive transparent unit buried in the substrate unit. The electrically conductive transparent unit consists of a plurality of electrically conductive wires that do not intersect with each other. The display device comprises the above-mentioned electrically conductive transparent material and display elements that, respectively, are connected to feeder terminals for a plurality of transparent conductive portions provided for the electrically conductive transparent material.

11 Claims, 21 Drawing Sheets

